

Financial and Technical Assistance for Infrastructure Removal/Repair and Planning

CATEGORY 3 - Levees

In addition to the Massachusetts Dam and Seawall Repair and Removal Fund, other sources of financial assistance are available. While this is not a complete list it will be updated periodically and additional sources added when discovered. If you are aware of opportunities not listed here, please send helpful suggestions including web links, to John Clarkeson at john.clarkeson@state.ma.us.

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Other helpful links:

Federal Grant Search Resources:

www.grants.gov

<https://www.cfda.gov/index?s=main&mode=list&tab=list>

EEA's Grant and Loan Guide:

<http://www.mass.gov/eea/grants-and-tech-assistance/grants-and-loans/eea-grants-guide/>

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CATEGORY 3 - Levees

Category 3: Levees	Conceptual Design	Feasibility Studies	Final Design	Permitting	Construction
<i>X = applications for this phase of a project are considered.</i>					
Massachusetts Executive Office of Energy and Environmental Affairs Dam and Seawall Repair and Removal Fund Program			X	X	X
Army Corp of Engineers – New England Planning Assistance to States Program	X	X			
Army Corp of Engineers- New England Emergency Streambank and Shoreline Protection	X	X	X		X
Army Corp of Engineers- New England Flood Reduction Projects	X	X	X		X
Army Corp of Engineers- New England Aquatic Ecosystem Restoration Projects	X	X	X		X
Army Corp of Engineers- New England Environmental Restoration	X	X	X		X
United States Department of Agriculture Rural Water and Environmental Programs	X	X			

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<u>United States Department of Agriculture Watershed Restoration and Enhancement Agreement Authority</u>		X			X
<u>United States Department of Agriculture Emergency Watershed Protection Program</u>					X
<u>United States Department of Agriculture Watershed and Flood Prevention Operations (WFPO) Program</u>	X	X	X		X
<u>United States Department of the Interior Water Resources on Indian Lands</u>	X	X			
<u>United States Department of the Interior Landscape Conservation Cooperatives (LCC) Program</u>	X	X	X		
<u>United States Department of the Interior North American Wetlands Conservation Fund</u>			X		X

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<u>United States Department of Commerce Investments for Public Works and Economic Development Facilities</u>					X
<u>Massachusetts Executive Office of Energy and Environmental Affairs</u> <u>Massachusetts Environmental Trust</u>	X (for partial or full removal)				
<u>Massachusetts Department of Conservation and Recreation</u> <u>River and Harbor Grant Program</u>		X	X	X	X
<u>Massachusetts Department of Fish and Game Wetlands and River Restoration and Revitalization Priority Projects</u>		X (for removal)	X (for removal)	X (for removal)	X (for removal)
<u>NOAA in partnership with American Rivers Community-Based Restoration Program River Grants</u>		X	X		X
<u>The National Audubon Society & Toyota</u> <u>The Toyota TogetherGreen Innovation Grants Program</u>	X	X	X		X

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Federal Resources

U.S. Army Corps of Engineers, New England District

Planning Assistance to States (Section 22) Program

Funding Available: Maximum \$500,000 annually to each State or Tribe

Average Award Granted: \$25,000 to \$75,000

Eligibility: State or Tribe and non-federal entity

Summary: The needed planning assistance is determined by the individual State or Native American Tribe. Every year, each State, Native American Tribe, local government, or other non-Federal entity can provide the Corps of Engineers its request for studies under the program, and the Corps of Engineers then accommodates as many studies as possible within the funding allotment. Typical studies are only planning level of detail; they do not include detailed design for project construction. The studies generally involve the analysis of existing data for planning purposes, using standard engineering techniques, although some data collection is often necessary.

Additional Information: Types of studies conducted in recent years under the program include the following:

- Water Supply and Demand Studies
- Water Quality Studies
- Environmental Conservation Studies
- Environmental Restoration Studies
- Wetland Evaluation Studies
- Dam Safety/Failure Studies
- Flood Damage Reduction Studies
- Flood Plain Management Studies
- Coastal Zone Management/Protection Studies
- Harbor/Port Studies

Match Requirements: 50-50% federal to non-federal match

Link: <http://www.nao.usace.army.mil/BusinessWithUs/FloodPlainManagement/PAS.aspx>

Contact Information: Program Manager, Phone - 757.201.7825

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Emergency Streambank and Shoreline Protection (Section 14)

Funding Available: N/A

Average Award Granted: N/A but the maximum Federal expenditure at any one site is \$1,500,000

Eligibility:

Summary: Section 14 of the 1946 Flood Control Act provides the Corps of Engineers authority to construct emergency shoreline and streambank protection works to protect public facilities, such as bridges, roads, public buildings, sewage treatment plants, water wells, and non-profit public facilities, such as churches, hospitals, and schools.

Additional Information: The Feasibility Study is 100 percent federally funded up to \$100,000.

Match Requirements: Costs over the \$100,000 are shared 50/50 with the non-federal sponsor. Final design (plans and specifications) and construction costs are 65 percent Federal 35 percent non-Federal.

Link: <http://www.nae.usace.army.mil/Missions/PublicServices/ContinuingAuthoritiesProgram/Section14.aspx>

Contact: Chris Hatfield, Phone - 978.318.8520

Flood Damage Reduction Projects (Section 205)

Funding Available: N/A

Average Award Granted: N/A but maximum Federal cost for planning, design, and construction of any one project is \$7,000,000

Eligibility: with non-Federal government agencies, such as cities, counties, special authorities, or units of state government

Summary: Section 205 of the 1948 Flood Control Act authorizes the Corps of Engineers to study, design, and construct small flood control projects in partnership. Flood control projects are not limited to any particular type of improvement. Levee and channel modifications are examples of flood control projects constructed utilizing the Section 205 authority.

Additional Information: The Corps conducts an initial appraisal early in the Feasibility Study to determine whether the project meets program criteria and provides a basis for determining scope and cost of an entire feasibility study. The solution must be economically feasible and environmentally acceptable. If an acceptable alternative is identified in the feasibility study, the Corps prepares plans and specifications, then manages construction of the project.

Match Requirements: The feasibility study is 100 percent federally funded up to \$100,000. Costs over the \$100,000 are shared 50/50 with the non-federal sponsor. Final design (plans and specifications) and construction cost are 65 percent Federal 35 percent non-Federal.

Link: <http://www.nae.usace.army.mil/Missions/PublicServices/ContinuingAuthoritiesProgram/Section205.aspx>

Contact: Chris Hatfield, Phone - 978.318.8520

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Aquatic Ecosystem Restoration Projects (Section 206)

Funding Available: N/A

Average Award Granted: N/A but limited to \$5 million in Federal cost

Eligibility: Non-federal agencies

Summary: Under the authority provided by Section 206 of the Water Resources Development Act of 1996, the Corps may plan, design and build projects to restore aquatic ecosystems for fish and wildlife. Projects conducted in New England under this program have included eelgrass restoration, salt marsh and salt pond restoration, freshwater wetland restoration, anadromous fish passage and dam removal, river restoration, and nesting bird island restoration.

Additional Information: The process for Section 206 projects begins after a non-federal sponsor requests Corps of Engineers assistance under the program. When funding is available, the Corps of Engineers prepares a feasibility study, beginning with an estimate of the overall scope and cost of the study and a determination of whether the project is in the federal interest.

Match Requirements: The feasibility study is cost shared 50 percent Federal 50 percent Non-Federal after the first \$100,000 in study costs. The first \$100,000 in study cost is federally funded. Design and construction cost are 65 percent Federal 35 percent non-Federal

Link: <http://www.nae.usace.army.mil/Missions/PublicServices/ContinuingAuthoritiesProgram/Section206.aspx>

Contact: Larry Oliver, Phone - 978.318.8347

Environmental Restoration (Section 1135)

Funding Available: N/A

Average Award Granted: N/A but limited to \$5 million in Federal cost

Eligibility: non-federal agencies

Summary: Under the authority provided by Section 1135 of the Water Resources Development Act of 1986, the Corps may plan, design and build modifications to existing Corps projects, or areas degraded by Corps projects, to restore aquatic habitats for fish and wildlife. Projects conducted in New England under this program have included salt marsh and salt pond restoration, estuary restoration, freshwater wetland restoration, anadromous fish passage, and river restoration.

Additional Information: When funding is available, the Corps of Engineers prepares a feasibility study, beginning with an estimate of the overall scope and cost of the study and a determination of whether the project is in the federal interest. The feasibility study formulates alternatives to achieve the restoration, evaluates the environmental effects of the alternatives, documents the project requirements, and provides a scope and cost estimate for project implementation.

Match Requirements: The feasibility study is cost shared 50 percent Federal 50 percent Non-Federal after the first \$100,000 in study costs. The first \$100,000 in study cost is federally funded. Design and construction cost are 75 percent Federal 25 percent non-Federal

Link: <http://www.nae.usace.army.mil/Missions/PublicServices/ContinuingAuthoritiesProgram/Section1135.aspx>

Contact: Larry Oliver, Phone - 978.318.8347

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U.S. Department of Agriculture- Rural Development

Rural Water and Environmental Programs

Funding Available: Water projects used \$741 million in FY2012, \$602 million in FY2013

Average Award Granted: N/A

Eligibility: Public bodies, non-profit organizations and recognized Indian tribes

Summary: Water and Environmental Programs (WEP) provides loans, grants and loan guarantees for drinking water, sanitary sewer, solid waste and storm drainage facilities in rural areas and cities and towns of 10,000 or less. Program assistance is provided in many ways, including direct or guaranteed loans, grants, technical assistance, research and educational materials.

Additional Information: Predevelopment planning assistance is available to assist in paying costs associated with developing a complete application for a proposed project. WEP also makes grants to nonprofit organizations to provide technical assistance and training to assist rural communities with their water, wastewater, and solid waste problems.

Match Requirements: N/A

Link: http://www.rurdev.usda.gov/UWEP_HomePage.html

Contact: Steven Chrabascz, Phone - 413-253-4334 or email at steven.chrabascz@ma.usda.gov

U.S. Department of Agriculture- Forest Service

Watershed Restoration and Enhancement Agreement Authority

Funding Available: \$4 million

Average Award Granted: N/A

Eligibility: States, local or tribal governments, private and nonprofit entities, and private landowners.

Summary: Projects that protect, enhance, or restore resources within a watershed and provide tangible benefits to achieving Forest Service goals and objectives are allowable. Project types are not limited to actual projects on the ground; for example, stream gabion installation, check dam construction, fish habitat restoration, or culvert cleaning. Watershed analysis studies, habitat surveys and wildlife species monitoring, depending on the benefit to resources within the watershed, are also permissible.

Match Requirements: Match Requirements are not applicable to this program.

Link: <https://www.cfda.gov/?s=program&mode=form&tab=step1&id=73c38aa3683fc789cedce7aa16f1df53>

Contact: Watershed and Aquatics, 201 14th Street NW, Room 3SE, Washington, District of Columbia 20024 Phone - 202.205.1790

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US Department of Agriculture- Natural Resource and Conservation Service

Emergency Watershed Protection Program

Funding Available: N/A

Average Award Granted: N/A

Eligibility: Public and private landowners are eligible for assistance but must be represented by a project sponsor. The project sponsor must be a public agency of state, county, or city government, or a special district or tribal government.

Summary: The purpose of the Emergency Watershed Protection (EWP) program is to undertake emergency measures, including the purchase of flood plain easements, for runoff retardation and soil erosion prevention to safeguard lives and property from floods, drought, and the products of erosion on any watershed whenever fire, flood or any other natural occurrence is causing or has caused a sudden impairment of the watershed. EWP work can include: removing debris from stream channels, road culverts, and bridges; reshaping and protecting eroded banks; correcting damaged drainage facilities; repairing levees and structures; reseeding damaged areas; and purchasing floodplain easements.

Additional Information: Landowners interested in enrolling their land in a permanent EWP-FPE easement should contact their local USDA Service Center for more information. EWP-FPE is not available in all areas at all times and is most commonly available to landowners in areas recently impacted by a natural disaster such as widespread flooding. For more information regarding program eligibility and availability.

Match Requirements: NRCS may bear up to 75 percent of the construction cost of emergency measures or up to 90 percent in limited resource areas.

Link: <http://www.nrcs.usda.gov/wps/portal/nrcs/main/national/programs/financial/ewp/>

Contact: Office Locator - <http://offices.sc.egov.usda.gov/locator/app?service=page/CountyMap&state=MA&stateName=Massachusetts&stateCode=25>

Watershed and Flood Prevention Operations (WFPO) Program

Funding Available: N/A

Average Award Granted: N/A

Eligibility: State and local agencies

Summary: The Watershed and Flood Prevention Operations (WFPO) Program provides technical and financial assistance to States, local governments and Tribes (project sponsors) to plan and implement authorized watershed project plans for the purpose of: watershed protection, flood mitigation, water quality improvements, soil erosion reduction, rural, municipal and industrial water supply, irrigation, water management, sediment control, fish and wildlife enhancement, hydropower. Works of improvement include floodwater retarding dams and reservoirs, are owned and operated by the sponsoring local organizations and participating individuals.

Additional Information: Projects selected aim to prevent erosion, floodwater, and sediment damage; to further the conservation, development, utilization, and disposal of water; and to further the conservation and proper utilization of land in authorized watersheds.

Match Requirements: Surveys and investigations are made and detailed designs, specifications, and engineering cost estimates are prepared for construction of structural measures. Watershed plans involving Federal contributions in excess of \$5,000,000 for contribution, or construction of any single structure having a capacity in excess of 2,500 acre feet, require Congressional approval

Link: http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/programs/landscape/wfpo/?cid=nrcs143_008271

Contact: [David Arthur](#), Watershed Operations Program Specialist, Phone - 202.690.2819

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U.S. Department of the Interior – Bureau of Indian Affairs

Water Resources on Indian Lands

Funding Available: FY 12 - \$21,246,805; FY 13 est \$13,578,233; FY 14 est \$11,064,000

Average Award Granted: The range is \$10,000 to \$200,000

Eligibility: Federally Recognized Indian Tribal Governments and Native American Organizations authorized by Indian tribal governments

Summary: This program was created to support Indian tribes in the effective and efficient management, planning, and use of their water resources. Funds are used by tribes to conduct water management and planning project and activities for the purpose of managing and conserving their water resources and to participate in the on-going water rights negotiation and litigation activities to protect and secure their lawful water rights.

Additional Information: Awards are made on an annual basis and the funds remain available until expended by the contractor or grantee.

Match Requirements: No match required

Link: <https://www.cfda.gov/?s=program&mode=form&tab=step1&id=a4282e5a120f60bacbe8da5bff46c6fa>

Contact: Division Chief, Bureau of Indian Affairs, Division of Natural Resources, Office of Trust Services, 1849 C Street, NW, MS 4650 MIB, Washington, District of Columbia 20240. Phone - 202.208.3956

U.S. Department of the Interior – Fish and Wildlife Service

Landscape Conservation Cooperatives (LCC) Program

Funding Available: \$16,000,000

Average Award Granted: Range from \$1,000 to \$1,000,000

Eligibility: Unrestricted

Summary: Financial assistance will be awarded for projects that advance the LCC mission by addressing: Theme A - Integrating Assessment and Planning for Aquatic Resource Conservation at Landscape Scales. Theme B - Developing a Network of Ecologically Functional and Connected Landscapes by Facilitating Landscape Conservation Design. By leveraging resources and strategically targeting science to inform conservation decisions and actions, Cooperatives are being established to create a network of partners to ensure the sustainability of land, water, wildlife and cultural resources.

Additional Information: Financial assistance will be awarded for science projects and LCC-prioritized biological planning, conservation design and adaptive management projects to include: research; inventory design and implementation; monitoring; goal and priority setting associated with efficient and effective conservation; development of implementation strategies; and projects supporting all other FWS organizational efforts, including planning, establishment maintenance, and general business operations.

Match Requirements: No match required

Link: <http://www.grants.gov/search/search.do;jsessionid=whSqR28Js1FJVWj6gxQhrx2Cprv221dhTlpPsy7LH3XYc1MyLmv4!-665777865?oppId=173973&mode=VIEW>

Contact: Cecilia Todd, Phone - 703.358.2055 or cecilia_todd@fws.gov

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North American Wetlands Conservation Fund

Funding Available: FY 13 \$61,579,941; FY 14 est. \$77,602,527; FY 15 est. \$70,000,000

Average Award Granted: Average award is approximately \$42,000 and \$710,000 for Small Grants and U.S. Standard Grants, respectively

Eligibility: Available to private or public organizations or to individuals who have developed partnerships to carry out wetlands conservation projects in the U.S., Canada, and Mexico.

Summary: Funds may also be used to restore, manage, and/or enhance wetland ecosystems and other habitat for migratory birds and other fish and wildlife. Projects must provide long-term conservation for wetlands-associated migratory birds and other wetlands-associated wildlife. Coastal Wetlands Planning, Protection and Restoration act-derived funds eligible for NAWCA projects may be used only in U.S. coastal wetlands ecosystems.

Additional Information: From September 1990 through March 2014, approximately 5,000 partners in 2,421 projects have received nearly \$1.3 billion in grants. They have contributed another \$2.7 billion in matching funds to affect 27.5 million acres of habitat.

Match Requirements: At least 50 percent of project costs, except that the activities located on Federal lands and waters can be funded with 100 percent Federal funding.

Link: <http://www.fws.gov/birdhabitat/Grants/NAWCA/index.shtm>

Contact: Division of Bird Habitat Conservation, Phone – 703.358-1784 or dbhc@fws.gov

Department of Commerce – Economic Development Administration

Investments for Public Works and Economic Development Facilities

Funding Available: estimated from FY 12 \$138,528,000

Average Award Granted: \$1.70 million

Eligibility: District Organization, Indian Tribe or a consortium of Indian Tribes; state, city, or other political subdivision of a State, including a special purpose unit of a State or local government engaged in economic or infrastructure development activities, or a consortium of such political subdivisions; institution of higher education or a consortium of institutions of higher education; or public or private non-profit organization or association acting in cooperation with officials of a political subdivision of a State

Summary: Grants support the construction or rehabilitation of essential public infrastructure and facilities necessary to generate or retain private sector jobs and investments, attract private sector capital, and promote regional competitiveness, innovation, and entrepreneurship, including investments that expand and upgrade infrastructure to attract new industry, support technology-led development, accelerate new business development, and enhance the ability of regions to capitalize on opportunities presented by free trade.

Additional Information: Characteristic projects include investments in facilities such as water and sewer systems, industrial access roads, business parks, port facilities, rail spurs, skill-training facilities, business incubator facilities, brownfield redevelopment, eco-industrial facilities, and telecommunications and broadband infrastructure improvements necessary for business creation, retention and expansion

Match Requirements: Generally, the amount of the EDA grant may not exceed 50 percent of the total cost of the project.

Link: <https://www.cfda.gov/?s=program&mode=form&tab=step1&id=bb43024afbdae1a42b2b4ffa8fa5aec9>

Contact: Philip Saputo, Phone - 202.400.0662 or email at psaputo@eda.gov

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State Resources

Executive Office of Energy and Environmental Affairs (EEA)
Massachusetts Environmental Trust (MET)

MET General Grants Program

Funding Available: \$1,000,000

Average Award Granted: \$5,000 to over \$100,000

Eligibility: Eligible organizations generally include 501(c)(3) nonprofit organizations and municipalities. Unincorporated organizations may apply provided that they have an eligible fiscal sponsor

Summary: The Trust supports cooperative efforts to restore, protect, and improve water and water-related resources of the Commonwealth. Grants funds are generated through the sale of environment themed license plates. Our goals are to improve and safeguard the quality of the waterways throughout the Commonwealth. We fund nonprofit organizations, municipalities, scientists and educational institutions through four distinct programs.

Additional Information: The Trust utilizes a two-stage application process. The first stage is a Letter of Inquiry commonly due in the fall. The letter of inquiry must follow the format provided in the RFR. Successful applicants will be invited to prepare a full proposal for a deadline the following spring.

Match Requirements: No match is required.

Link: <http://www.mass.gov/eea/met>

Contact: Bill Hinkley, Phone - 617.626.1045 or email at william.hinkley@state.ma.us.

Department of Conservation and Recreation (DCR)

Rivers and Harbors Grant Program

Funding Available: N/A

Average Award Granted: Varies

Eligibility: Federal agencies, municipalities and non-profits

Summary: Grants requiring matching funds for studies, surveys, design & engineering, environmental permitting and construction that address problems on coastal & inland waterways, lakes, ponds and great ponds. Grants are awarded in the following categories: 1) Coastal Waterways - for commercial and recreational navigation safety & to improve coastal habitat by improving tidal interchange; 2) Inland Waterways - to improve recreational use, water quality & wildlife habitats; 3) Erosion Control - to protect public facilities and reduce downstream sedimentation; 4) Flood Control - to reduce flood potentials.

Additional Information:

Match Requirements:

Link: <http://www.mass.gov/eea/waste-mgmt-recycling/water-resources/preserving-water-resources/water-grants.html>

Contact: Kevin Mooney, Phone – 781.740.1600 x103 or email at kevin.mooney@state.ma.us.

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Department of Fish and Game (DFG)

Wetlands and River Restoration and Revitalization Priority Projects

Funding Available: N/A

Average Award Granted: \$5,000 to \$ 55,000

Eligibility: Open to public agencies and (c) (3) certified non-profit organizations, including, but not limited to state agencies, cities and towns, regional planning agencies, watershed organizations, and land trusts.

Summary: Managed by the Division of Ecological Restoration, Priority Projects are selected through a state-wide, competitive process. Projects that bring significant ecological and community benefits to the Commonwealth are sought. Once we've selected a project to the Priority Project list, we work with the project owner and other project team members to bring the project to fruition.

Additional Information: Selected projects are eligible for technical services such as data collection, engineering, design work, and permitting; project management and fundraising assistance from DER staff; and small grants. DER works with the project owner each year to determine the type of assistance that will be most useful.

Match Requirements:

Link: <http://www.mass.gov/cea/agencies/dfg/der/aquatic-habitat-restoration/river-restoration/>

Contact: River Projects – Nick Wildman, Phone - 617.626.1527 or email at nick.wildman@state.ma.us;

Wetland Projects – Georgeann Keer, Phone 617. 626.1246 or email at georgeann.keer@state.ma.us

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Foundation Resources

The American Rivers Organization & NOAA

Community-Based Restoration Program River Grants

Funding Available: N/A

Average Award Granted: Maximum award request is \$150,000

Eligibility: organizations such as civic associations and conservation groups; state, local and Tribal governments; and other commercial² and nonprofit organizations

Summary: Since 2001, American Rivers and the National Oceanic and Atmospheric Administration (NOAA) Community-based Restoration Program have provided financial and technical assistance for river restoration projects benefiting diadromous fish species. The American Rivers-NOAA River Grants funds stream barrier removal projects in the Northeast. Grants are provided for three distinct phases: Construction, Engineering Design and Feasibility Analysis.

Additional Information: Applications are being evaluated based upon the following priority criteria: ecological merits of the project, technical feasibility of the project, timeliness in completion of funded phase; benefits provided to the local community, and financial clarity and strength of the application.

NOTE: Applicants must contact American Rivers to discuss the potential project prior to submitting an application

Match Requirements: While non-federal matching funds are not required, matching funds greatly enhance the merit of the application.

Link: <http://www.americanrivers.org/initiative/grants/projects/american-rivers-and-noaa-community-based-restoration-program-river-grants-2/>
<http://www.americanrivers.org/assets/pdfs/dam-removal-docs/ar-noaa-grant-2013-funding-guidelines.pdf>

Contact: National Coordinator: Serena McClain 1101 14th St NW, Washington DC or email at rivergrants@AmericanRivers.org.
Northeast Coordinator: Amy Singler 413.584.2183 or email at asingler@americanrivers.org

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The National Audubon Society & Toyota

The Toyota TogetherGreen Innovation Grants Program

Funding Available: approximately \$1,000,000

Average Award Granted: \$25,000

Eligibility: N/A

Summary: Since 2008 Toyota and Audubon, through the Toyota TogetherGreen Innovation Grants program, have funded innovative community-based conservation projects. Projects supported by Toyota TogetherGreen tackle environmental projects as diverse as the populations they serve. Each year, the Toyota TogetherGreen Innovation Grants fund projects that conserve or restore habitat and protect species, improve water quality or quantity, and reduce the threat of climate change by reducing energy use and improving efficiency.

Additional Information and Match Requirement: Planning Grants-

Organizations wishing to conduct preliminary work for a future project are encouraged to apply for a planning grant of \$5,000 or less. The ultimate project being planned for should conform to the Innovation Grant guidelines.

Matching funds can include in-kind or direct financial support (a minimum of 25 – 50% of grant)

Link: <http://www.togethergreen.org/grants/program-overview>